
INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)
ATTY DOCKET NO.
TEC1209-01/C-501
APPLICATION NO.
10/657,311
APPLICANT(S)
David K. Haller et al.
FILING DATE
September 8, 2003
GROUP ART UNIT
3746 3748
U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	Re. 34,297	06/29/1993	Elson	417	373	
	Re. 25,569	05/05/1964	Coron et al.	230	117	
	2,661,172	12/01/1953	Needham	248	19	
	3,039,725	06/19/1962	Kerley, Jr.	248	20	
TT	3,145,960	08/25/1964	Langdon	248	19	

U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	2001/0055536	12/27/2001	Bernardi et al.	418	45.6	
TT	2001/0006603	07/05/2001	Hong et al.	418	35.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
TT		JP2001020881A	01/23/2001	Japan				
		JP410148191A	06/02/1998	Japan				
		JP2002098056A	04/05/2002	Japan				
TT		JP2002021729A	01/23/2002	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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TT		3,749,340	07/31/1973	Williams et al.	240	24			
		3,785,167	01/15/1974	Sahs	62	296			
		4,089,613	05/16/1978	Babbitt, Jr.	403	388			
		4,389,171	06/21/1983	Eber et al.	418	16			
TT		4,416,594	11/22/1983	Ichikawa	417	360			
U.S. PATENT APPLICATION PUBLICATIONS									
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	4,497,615	02/05/1985	Griffith	417	310	
	4,518,276	05/21/1985	Mitchell	403	13	
	4,552,518	11/12/1985	Ulter	418	55	
	4,557,677	12/10/1985	Hasegawa	418	63	
TT	4,685,188	08/11/1987	Goy	29	446	

U.S. PATENT APPLICATION PUBLICATIONS

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	4,792,288	12/20/1988	Gromoll et al.	417	378	
	5,012,896	05/07/1991	Da Costa	418	616	
	5,062,779	11/05/1991	Da Costa	418	370	
	5,176,506	01/05/1993	Siebel	417	368	
TT	5,222,885	06/29/1993	Ramshankar et al.	418	96	

U.S. PATENT APPLICATION PUBLICATIONS

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TT		5,224,845	07/06/1993	Mangyo et al.	417	423.13	
		5,247,738	09/28/1993	Yoshii	29	889.023	
		5,312,234	05/17/1994	Yoshii	418	56.1	
		5,345,785	09/13/1994	Sekigami et al.	62	468	
TT		5,345,970	09/13/1994	Leyderman et al.	137	856	
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				September 8, 2003		-3746 3748	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT		5,346,375	09/13/1994	Akiyama et al.	418	15	
		5,348,455	09/20/1994	Herrick et al.	418	63	
		5,370,156	12/06/1994	Peracchio et al.	132	856	
		5,391,066	02/21/1995	Sawai et al.	418	55.6	
TT		5,474,433	12/12/1995	Chang et al.	418	55.4	
U.S. PATENT APPLICATION PUBLICATIONS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,487,648	01/30/1996	Alfano et al.	417	312	
	5,531,577	07/02/1996	Hayase et al.	418	56.1	
	5,579,651	12/03/1996	Sugiyama et al.	62	469	
	5,580,233	12/03/1996	Wakana et al.	418	94	
TT	5,597,293	01/28/1997	Bushnell et al.	417	410.3	

U.S. PATENT APPLICATION PUBLICATIONS

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U.S. PATENT DOCUMENTS							
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TT		5,597,296	01/28/1997	Akazawa et al.	418	55.1	
		5,634,781	06/03/1997	Yoshida et al.	418	55.1	
		5,645,408	07/08/1997	Fujio et al.	418	55.4	
		5,660,539	08/26/1997	Matsunaga et al.	418	55.6	
TT		5,683,237	11/04/1997	Hagiwara et al.	418	55.2	
U.S. PATENT APPLICATION PUBLICATIONS							
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT		5,720,601	02/24/1998	Tark et al.	417	569	
		5,752,688	05/19/1998	Campbell et al.	248	674	
		5,769,126	06/23/1998	Cho	137	856	
		5,775,894	07/07/1998	Kosco, Jr.	418	63	
TT		5,829,959	11/03/1998	Tsubono et al.	418	55.6	

U.S. PATENT APPLICATION PUBLICATIONS

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GROUP ART

3746-5748

U.S. PATENT DOCUMENTS

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TT	5,863,190	01/26/1999	Yamamoto et al.	418	35.1	
	5,913,892	06/22/1999	Kwon	63	296	
	5,931,650	08/03/1999	Yasu et al.	418	35.3	
	5,964,581	10/12/1999	Iizuka et al.	417	410.3	
TT	6,011,336	01/04/2000	Mathis et al.	310	91	

U.S. PATENT APPLICATION PUBLICATIONS

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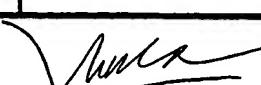


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TT		6,027,321	02/22/2000	Shim et al.	418	+	
		6,039,551	03/21/2000	Takeuchi et al.	418	88	
		6,050,794	04/18/2000	Noboru et al.	418	55.6	
		6,056,523	05/02/2000	Won et al.	418	15	
TT		6,132,191	10/17/2000	Hugenroth et al.	418	55.1	
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TT		6,139,291	10/31/2000	Perevozchikov	418	55.1	
		6,167,719	01/02/2001	Yakumaru et al.	62	468	
		6,171,076	01/02/2001	Yakumaru et al.	62	468	
		6,179,589	01/30/2001	Bass et al.	418	55.1	
TT		6,224,356	05/01/2001	Dewar et al.	418	55.1	
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TT		6,227,830	05/08/2001	Fields et al.	418	55.1	
		6,247,910	06/19/2001	Yokoyama	418	55.1	
		6,261,073	07/17/2001	Kumazawa	418	63	
		6,264,446	07/24/2001	Rajendran et al.	418	55.6	
TT		6,280,154	08/28/2001	Clendenin et al.	417	410.5	
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TT	6,299,423	10/09/2001	Perevozchikov	418	56.1	
TT	6,305,912	10/23/2001	Svendsen et al.	417	313	

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